

www.sinter.si



KARTING BRAKES AND CLUTCHES

2020-21

GO FOR THE VICTORY, DO IT WITH



EXPERIENCE SINCE 1969

Brake pads for scooters, bike and go-kart, industrial friction components, special friction products and brake rotors.

CUSTOM-MADE

We focus on the extreme and personal needs of our customers in racing or rental segments. We develop & test in-house.

OWN PRODUCTION

Our new state-of-the-art plant covers 2500 sq. Meters, and we produce more than 2 million brake pads annually.

ENVIRONMENTALLY FRIENDLY

We meet all European safety and environmental requirements.



***“It wasn’t just racing
that got me excited –
I always loved problem
solving, in any form.”***

50 YEARS OF 100% PERFORMANCE

The world is running faster and faster – even everyday life is becoming a race. No wonder good brakes are important! That’s why we specialize in the market’s best brakes – to provide go-kart and bicycle racers, rental companies and private riders with the best stopping power available, no matter the conditions. Being “good” just isn’t good enough anymore.

Sinter has come far in its 50 years. With our own R&D and production facilities, we are the leading provider of OEM and aftermarket brake pads for the world’s most prominent kart manufacturers, and we are growing quickly in the scooter and bicycle segments.

We currently offer more than 500 different types of brake pads for racing teams and rental fleets, with custom options as needed – we hold 80% of the market. Our production teams also manufacture brake discs and clutches, made of our new MMC material – it saves even more than 50% of the weight, compared to steel.

When I was a kid, my father would come home, and I could smell the burnt brake material on him. He was passionate about his craft and transferred that passion on to me. I can still smell that when I close my eyes... even when I’m not at the factory.

Then there is the smell of gasoline, when we would race go-karts. I always loved any vehicle with an engine, until I discovered the crazy fun I could have with bicycles!

Problem-solving is my passion, in any form. This has helped me win the sympathies of my friends and competitors. I always try to excel in everything I do. It is “ride hard or stay at home”. That is how we improve our braking materials and strive for ever better braking performance. Having the chance to play around with custom mixtures of materials to test any possible braking pad – this is all priceless to me and to our customers.

Go-karts still remain our strongest segment, and we are improving braking power and durability while extending further into mountain, road, and e-bike worlds.

For 2020 we are rebuilding our website to offer improved options for online purchases and a useful knowledge base for everyone to use. Knowledge is power, and we want everyone to **ride hard & brake hard.**

There is no other way to win.

Sincerely yours,

Miha Krapež, CEO



CONTENT

About

03 FRICTION MATERIALS

04 BRAKE PADS

05 DISCS

06 CLUTCHES

Products

08 KARTING BRAKE PADS

33 KARTING DISCS

34 KARTING BRAKE CLUTCHES

Info

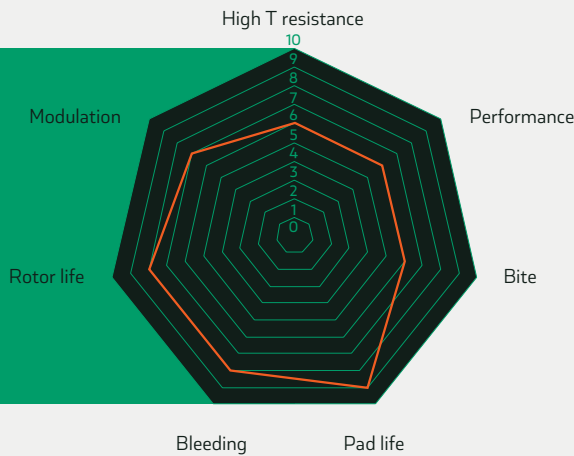
37 RUNNING-IN PROCEDURE

38 TABLE BY MANUFACTURERS

FRICTION MATERIALS

BY SINTER

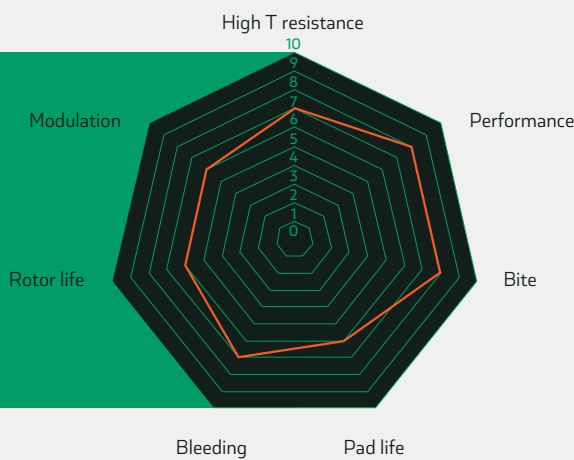
All brake pads available in the following three materials:



S-205 RENTAL

This material is designed for low wear and with a stable friction coefficient.

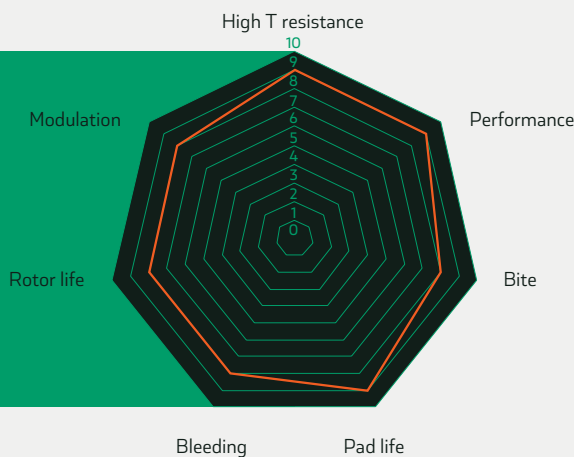
- / LONG-LASTING PERFORMANCE
- / ORGANIC FORMULATION, LOW COPPER CONTENT
- / FAST BEDDING IN
- / SUITABLE FOR RENTAL APPLICATION



S-222 RACE

This material is designed for maximum go-kart braking loads. It performs best with grey cast iron braking disks.

- / EXCELLENT PERFORMANCE
- / POWERFUL INITIAL BITE
- / SEMI-METALLIC MIXTURE
- / SUITABLE FOR RACING APPLICATION



S-230 ELITE

New racing formulation for the most demanding racers. Great modulation provides total control of your brakes.

- / OVERALL CHAMPION
- / RACING COMPOUND
- / NO COMPROMISE
- / GREAT MODULATION

BRAKE PADS

EXTREME PERFORMANCE

SINTER FRICTION MATERIALS

We produce more than 500 types of brake pads, made of a couple of own friction mixtures.

We also provide custom mixtures.

For a full list of pads see page 8.



CUSTOM

Sinter's own R&D and production department can always provide custom friction mixtures per request.

With our rich knowledge we can help the customer experiment and decide on the specification.

DISCS

EXTREME PERFORMANCE BRAKE ROTORS

Braking rotors are among the newest products in the Sinter product line, and a lot of customization is possible. Our R&D is focused heavily on new composite materials.

For a full list of discs see page 33.



HIGH CARBON GREY CAST IRON

We have partnered with the local university and metallurgical laboratories to develop the new high carbon grey cast iron rotor.

These high-performance cast-iron brake rotors work perfectly with Sinter brake pads – available both as OEM and aftermarket.

All brake pads available in the following three materials:

S-205 RENTAL

This material is designed for low wear and with a stable friction coefficient.

S-222 RACE

This material is designed for maximum go-kart braking loads. It performs best with grey cast iron braking disks.

S-230 ELITE

New racing formulation for the most demanding racers. Great modulation provides total control of your brakes.

For reference see pages 3.

CLUTCHES

CLUTCH FOR EVERY STANDARD

Sinter produces centrifugal and lamellar clutches in the form of replacement parts, or as performance upgrade units for your go-kart.

We drive our development of new friction materials forward to improve our clutch offering and make it suitable for even the most demanding racers.

For a full list of clutches see page 35.

LAMELLAR ARAMID COMPOSITE + MMC CLUTCHES

We minimized the weight of the clutch construction by combining a special friction material with the lightweight MMC middle plates, constructed with aramid – that is how we lowered the weight by 60% compared to a standard middle plate.



*/ DYNAMIC CHARACTERISTICS
/ EXCELLENT TEMPERATURE RESISTANCE
/ LONG LIFE*

WEIGHT

We strive to lower the weight of the clutch plates as much as possible. We achieve that by using lightweight alloys and composite materials for the base plates, and friction materials with no metal parts for the friction interface.

We use a combination of aramid + MMC for extremely lightweight clutch product.

CENTRIFUGAL CLUTCHES

We offer centrifugal clutches for all engine types – lame, Tm, Rotax and others.

There are two materials available:



1 Organic, for a non-sliding clutch in general applications, with good temperature resistance and long service life.

2 Special high temperature resistant material, for an extreme performance racing clutch with long service life. It can endure aggressive starts and performs well in all conditions.



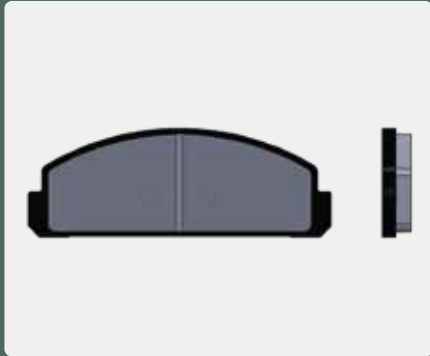
CUSTOM

Sinter's own R&D and production department can always provide custom clutch components per request. With our rich knowledge we can help the customer experiment and decide on the clutch shape and material used.

KARTING BRAKE PADS

020-5

Height (mm) - **39,0** Thickness (mm) - **10,5**
Lenght (mm) - **198,8** Thread - /



027-0

Height (mm) - **51,4** Thickness (mm) - **10,0**
Lenght (mm) - **59,3** Thread - /



027-1

Height (mm) - **51,4** Thickness (mm) - **10,5**
Lenght (mm) - **59,3** Thread - /



027-2

Height (mm) - **51,4** Thickness (mm) - **13,3**
Lenght (mm) - **108,8** Thread - /



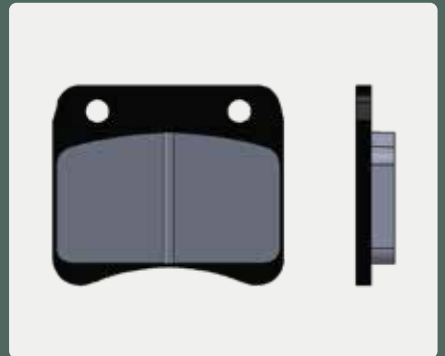
027-5

Height (mm) - **51,4** Thickness (mm) - **10,0**
Lenght (mm) - **59,3** Thread - /



027-6

Height (mm) - **51,4** Thickness (mm) - **10,0**
Lenght (mm) - **59,3** Thread - /



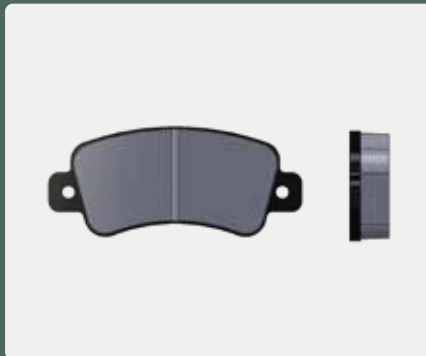
092-0

Height (mm) - **42,0** Thickness (mm) - **11,0**
Lenght (mm) - **97,0** Thread - **M6 82mm**



092-1

Height (mm) - **42,0** Thickness (mm) - **15,0**
Lenght (mm) - **97,0** Thread - **M6 82mm**



092-5

Height (mm) - **42,0** Thickness (mm) - **14,5**
Lenght (mm) - **97,0** Thread - **M6 82mm**



098-0

Height (mm) - **53,3** Thickness (mm) - **14,5**
Lenght (mm) - **55,5** Thread - /

**108-0**

Height (mm) - **60,0** Thickness (mm) - **12,0**
Lenght (mm) - **54,0** Thread - /

**296-5**

Height (mm) - **62,8** Thickness (mm) - **17,5**
Lenght (mm) - **90,0** Thread - /

**340-0**

Height (mm) - **59,8** Thickness (mm) - **14,0**
Lenght (mm) - **78,3** Thread - /

**359-0**

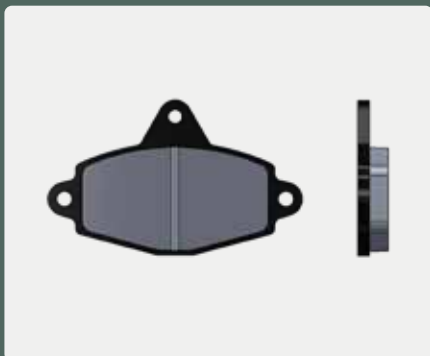
Height (mm) - **51,0** Thickness (mm) - **15,0**
Lenght (mm) - **61,7** Thread - /

**401-1**

Height (mm) - **51,5** Thickness (mm) - **15,0**
Lenght (mm) - **85,0** Thread - **M6 74mm**

**401-2**

Height (mm) - **51,5** Thickness (mm) - **10,2**
Lenght (mm) - **85,0** Thread - **M6 74mm**

**401-3**

Height (mm) - **51,5** Thickness (mm) - **13,0**
Lenght (mm) - **85,0** Thread - **M6 74mm**

**402-0**

Height (mm) - **48,0** Thickness (mm) - **10,0**
Lenght (mm) - **43,0** Thread - /



403-0

Height (mm) - **49,8** Thickness (mm) - **8,5**
Lenght (mm) - **37,9** Thread - /



405-0

Height (mm) - **52,0** Thickness (mm) - **13,0**
Lenght (mm) - **90,0** Thread - **M6 65mm**



405-1

Height (mm) - **52,0** Thickness (mm) - **16,0**
Lenght (mm) - **90,0** Thread - **M6 65mm**



405-2

Height (mm) - **52,0** Thickness (mm) - **16,0**
Lenght (mm) - **90,0** Thread - **M5 65mm**



405-3

Height (mm) - **52,0** Thickness (mm) - **11,5**
Lenght (mm) - **90,0** Thread - **M6 65mm**



405-4

Height (mm) - **52,0** Thickness (mm) - **16,0**
Lenght (mm) - **90,0** Thread - **M6 80mm**



406-0

Height (mm) - **52,0** Thickness (mm) - **13,0**
Lenght (mm) - **90,0** Thread - **M6 65mm**



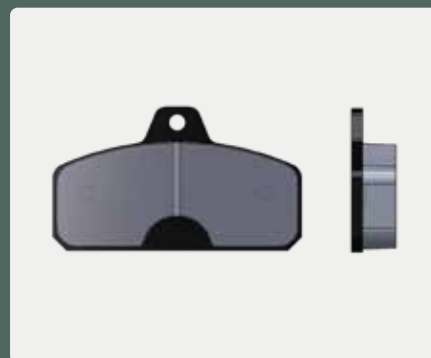
406-1

Height (mm) - **52,0** Thickness (mm) - **16,0**
Lenght (mm) - **90,0** Thread - **M6 65mm**



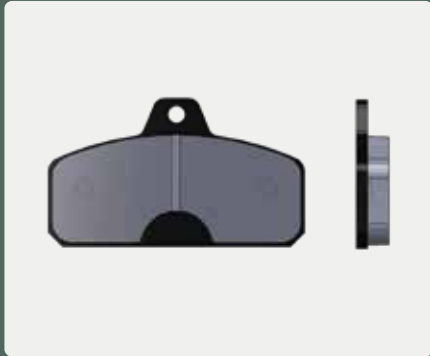
406-2

Height (mm) - **52,0** Thickness (mm) - **16,0**
Lenght (mm) - **90,0** Thread - **M5 65mm**



406-3

Height (mm) - **52,0** Thickness (mm) - **11,5**
Lenght (mm) - **90,0** Thread - **M6 65mm**



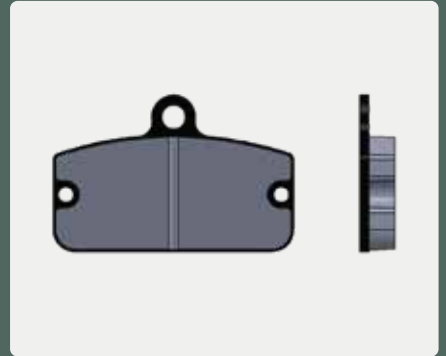
406-4

Height (mm) - **52,0** Thickness (mm) - **16,0**
Lenght (mm) - **90,0** Thread - **M6 80mm**



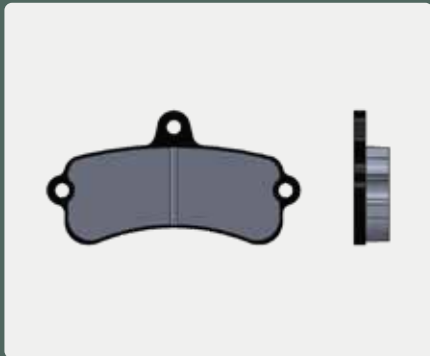
407-0

Height (mm) - **42,9** Thickness (mm) - **9,5**
Lenght (mm) - **65,9** Thread - **M5 59mm**



408-0

Height (mm) - **45,5** Thickness (mm) - **12,0**
Lenght (mm) - **86,0** Thread - **M6 76mm**



409-0

Height (mm) - **43,5** Thickness (mm) - **12,0**
Lenght (mm) - **65,0** Thread - /



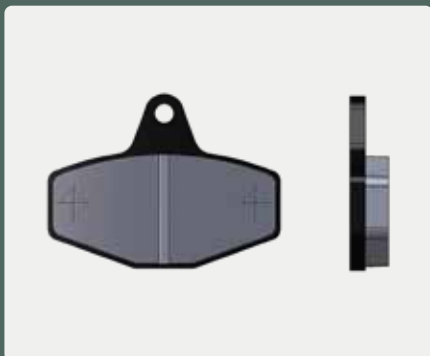
410-0

Height (mm) - **52,0** Thickness (mm) - **10,0**
Lenght (mm) - **75,1** Thread - **M6 60mm**



411-0

Height (mm) - **45,0** Thickness (mm) - **10,0**
Lenght (mm) - **60,0** Thread - **M6 47mm**



413-0

Height (mm) - **40,0** Thickness (mm) - **9,0**
Lenght (mm) - **52,5** Thread - /



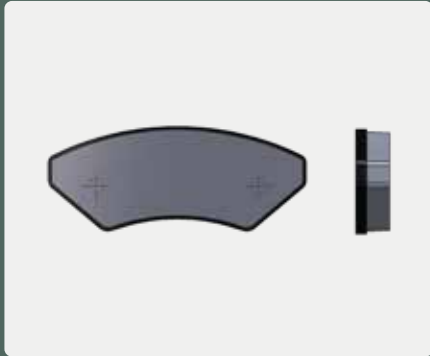
414-0

Height (mm) - **43,4** Thickness (mm) - **12,0**
Lenght (mm) - **76,0** Thread - /



415-0

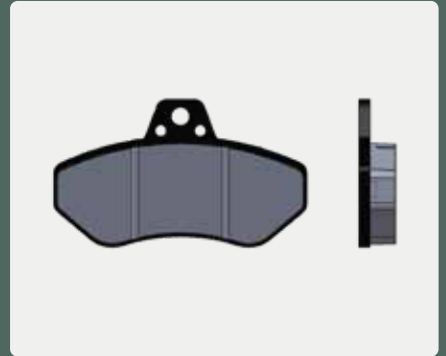
Height (mm) - **38,5** Thickness (mm) - **12,5**
 Lenght (mm) - **95,0** Thread - **M6 60mm**

**416-0**

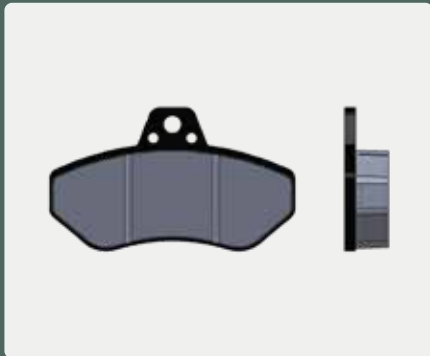
Height (mm) - **50,8** Thickness (mm) - **13,6**
 Lenght (mm) - **55,6** Thread - **/**

**417-0**

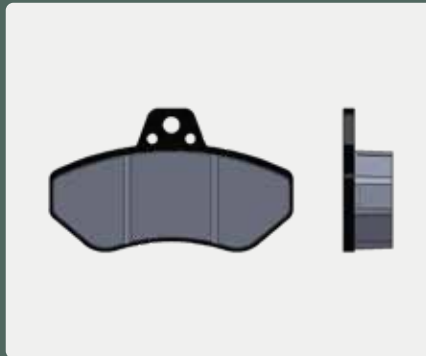
Height (mm) - **52,3** Thickness (mm) - **13,0**
 Lenght (mm) - **89,5** Thread - **M6 65/80mm**

**417-1**

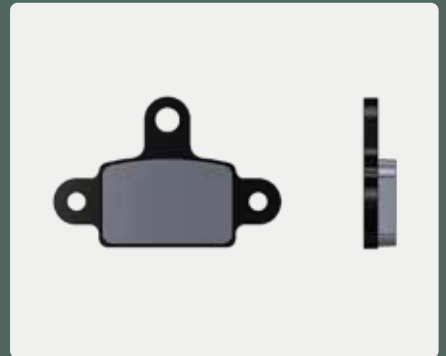
Height (mm) - **52,3** Thickness (mm) - **16,0**
 Lenght (mm) - **89,5** Thread - **M6 65/80mm**

**417-2**

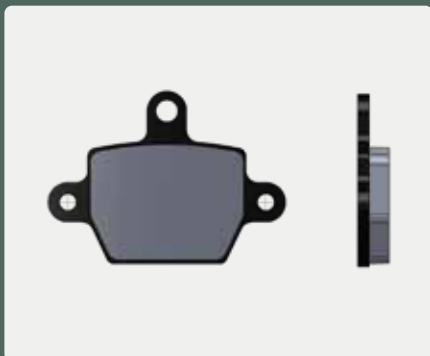
Height (mm) - **52,3** Thickness (mm) - **18,0**
 Lenght (mm) - **89,5** Thread - **M6 65/80mm**

**418-0**

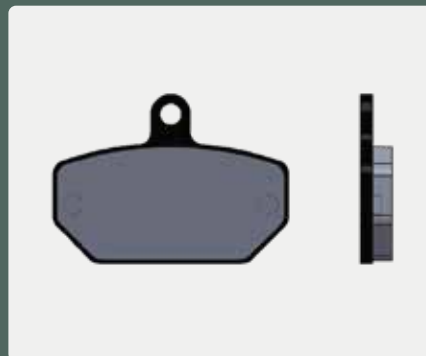
Height (mm) - **33,0** Thickness (mm) - **7,0**
 Lenght (mm) - **50,0** Thread - **M5 40mm**

**419-0**

Height (mm) - **43,5** Thickness (mm) - **8,0**
 Lenght (mm) - **60,0** Thread - **M5 50mm**

**421-0**

Height (mm) - **43,0** Thickness (mm) - **8,0**
 Lenght (mm) - **60,0** Thread - **M5 50mm**

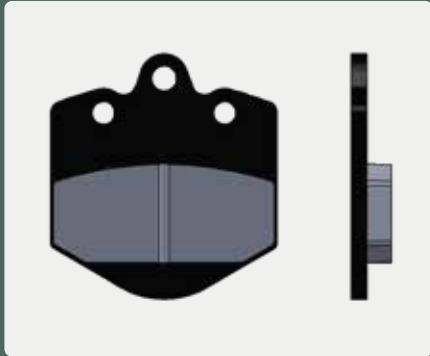
**423-0**

Height (mm) - **36,5** Thickness (mm) - **11,0**
 Lenght (mm) - **45,0** Thread - **/**



424-0

Height (mm) - **60,4** Thickness (mm) - **10,0**
Lenght (mm) - **56,0** Thread - /



425-0

Height (mm) - **43,6** Thickness (mm) - **10,0**
Lenght (mm) - **57,2** Thread - **M4 46mm**



428-0

Height (mm) - **26,9** Thickness (mm) - **13,5**
Lenght (mm) - **66,5** Thread - **M6* 41mm**



428-1

Height (mm) - **26,9** Thickness (mm) - **12,0**
Lenght (mm) - **66,5** Thread - **M6* 41mm**



428-2

Height (mm) - **26,9** Thickness (mm) - **13,5**
Lenght (mm) - **66,5** Thread - **M6* 41mm**



429-0

Height (mm) - **39,1** Thickness (mm) - **12,0**
Lenght (mm) - **60,0** Thread - /



430-0

Height (mm) - **26,4** Thickness (mm) - **13,0**
Lenght (mm) - **67,3** Thread - **M4* 54mm**



430-1

Height (mm) - **26,4** Thickness (mm) - **13,0**
Lenght (mm) - **67,3** Thread - **M5* 54mm**



430-2

Height (mm) - **26,4** Thickness (mm) - **12,0**
Lenght (mm) - **67,3** Thread - **M4* 41,5mm**



430-3

Height (mm) - **26,4** Thickness (mm) - **12,0**
Lenght (mm) - **67,3** Thread - **M4* 48mm**

*Thread height: **12,0mm**



430-4

Height (mm) - **26,4** Thickness (mm) - **12,7**
Lenght (mm) - **67,3** Thread - **M4* 47mm**

*Thread height: **12,7mm**



431-0

Height (mm) - **49,8** Thickness (mm) - **12,0**
Lenght (mm) - **55,6** Thread - **/**



433-0

Height (mm) - **42,9** Thickness (mm) - **8,5**
Lenght (mm) - **41,1** Thread - **/**



434-0

Height (mm) - **42,9** Thickness (mm) - **7,5**
Lenght (mm) - **41,1** Thread - **/**



434-1

Height (mm) - **42,9** Thickness (mm) - **10,0**
Lenght (mm) - **41,1** Thread - **/**



435-0

Height (mm) - **43,0** Thickness (mm) - **14,0**
Lenght (mm) - **112,0** Thread - **M6 56mm**



436-0

Height (mm) - **44,5** Thickness (mm) - **8,0**
Lenght (mm) - **39,0** Thread - **/**



437-0

Height (mm) - **55,5** Thickness (mm) - **15,0**
Lenght (mm) - **59,6** Thread - **M6 26,9mm**



438-0

Height (mm) - **55,5** Thickness (mm) - **14,0**
Lenght (mm) - **59,6** Thread - **M6 26,9mm**



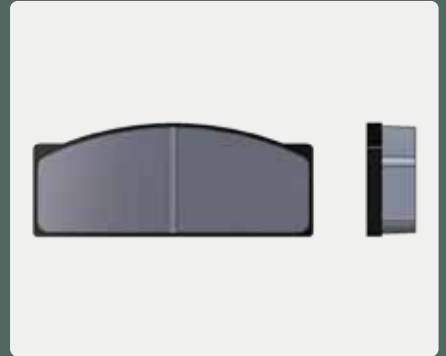
438-1

Height (mm) - **55,5** Thickness (mm) - **14,0**
Lenght (mm) - **59,6** Thread - **M6 26,9/49mm**



439-0

Height (mm) - **38,5** Thickness (mm) - **16,5**
Lenght (mm) - **95,2** Thread - /



441-1

Height (mm) - **39,0** Thickness (mm) - **12,0**
Lenght (mm) - **99,0** Thread - **M6* 65mm**



441-2

Height (mm) - **39,0** Thickness (mm) - **12,0**
Lenght (mm) - **99,0** Thread - **M6* 65mm**



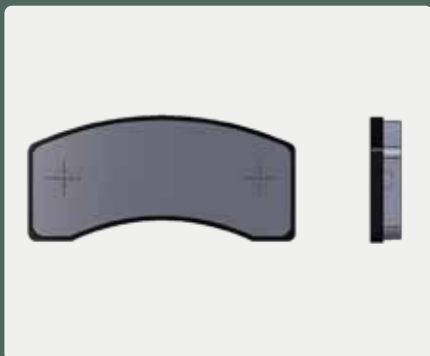
442-0

Height (mm) - **51,0** Thickness (mm) - **9,0**
Lenght (mm) - **48,0** Thread - /



443-0

Height (mm) - **30,0** Thickness (mm) - **7,3**
Lenght (mm) - **64,0** Thread - **M4 47mm**



445-0

Height (mm) - **38,8** Thickness (mm) - **13,0**
Lenght (mm) - **91,1** Thread - **M6 65mm**



445-1

Height (mm) - **38,8** Thickness (mm) - **13,0**
Lenght (mm) - **91,1** Thread - **M6 56,5mm**



445-2

Height (mm) - **38,8** Thickness (mm) - **13,0**
Lenght (mm) - **91,1** Thread - **M5 65mm**



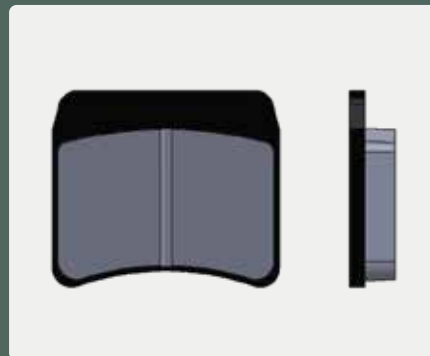
446-0

Height (mm) - **36,0** Thickness (mm) - **10,0**
Lenght (mm) - **40,8** Thread - **/**



447-0

Height (mm) - **51,3** Thickness (mm) - **12,0**
Lenght (mm) - **59,4** Thread - **/**



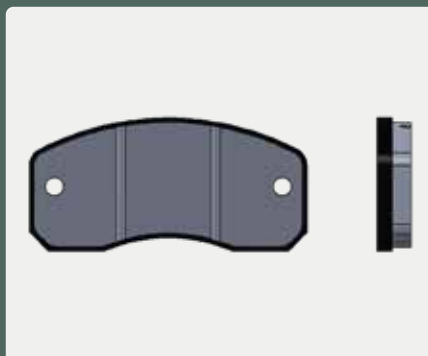
448-0

Height (mm) - **35,0** Thickness (mm) - **10,0**
Lenght (mm) - **73,0** Thread - **M6 60mm**



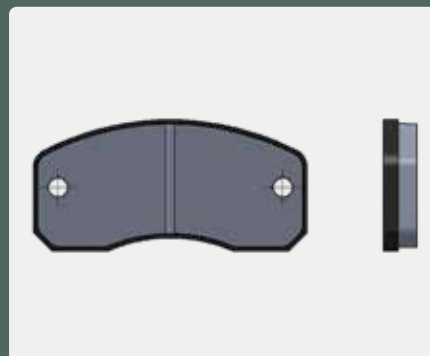
448-1

Height (mm) - **35,0** Thickness (mm) - **9,0**
Lenght (mm) - **73,0** Thread - **M6 60mm**



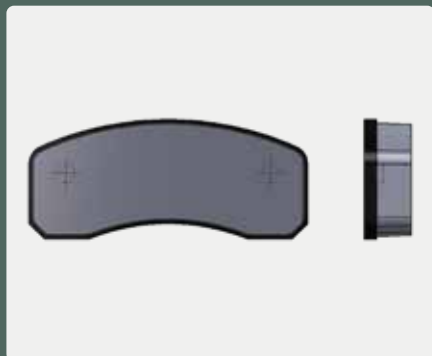
448-2

Height (mm) - **35,0** Thickness (mm) - **9,0**
Lenght (mm) - **73,0** Thread - **M6 60mm**



449-0

Height (mm) - **38,0** Thickness (mm) - **15,0**
Lenght (mm) - **88,4** Thread - **M6 65mm**



450-0

Height (mm) - **48,2** Thickness (mm) - **14,0**
Lenght (mm) - **108,0** Thread - **M6* 76mm**



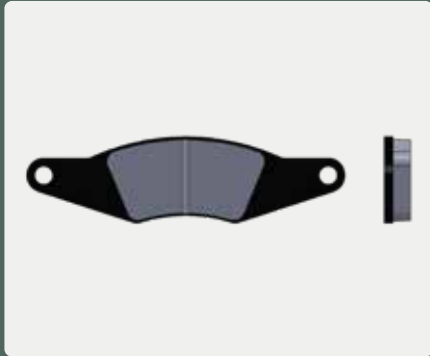
450-1

Height (mm) - **48,2** Thickness (mm) - **12,0**
Lenght (mm) - **108,0** Thread - **M6 97mm**



451-0

Height (mm) - **39,2** Thickness (mm) - **12,0**
Lenght (mm) - **145,6** Thread - /



452-0

Height (mm) - **47,4** Thickness (mm) - **12,2**
Lenght (mm) - **61,5** Thread - /



454-0

Height (mm) - **47,4** Thickness (mm) - **13,0**
Lenght (mm) - **61,5** Thread - /



454-1

Height (mm) - **47,4** Thickness (mm) - **12,2**
Lenght (mm) - **61,5** Thread - /



455-0

Height (mm) - **48,8** Thickness (mm) - **14,0**
Lenght (mm) - **92,0** Thread - **M6 72mm**



456-0

Height (mm) - **45,9** Thickness (mm) - **10,0**
Lenght (mm) - **40,0** Thread - /



456-1

Height (mm) - **45,9** Thickness (mm) - **14,0**
Lenght (mm) - **40,0** Thread - /



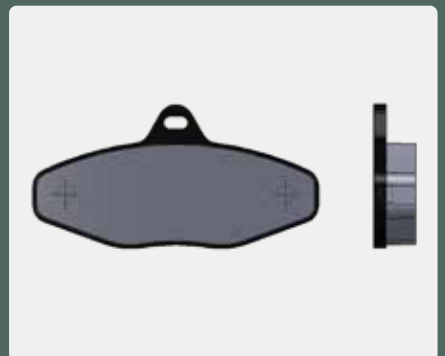
459-0

Height (mm) - **41,0** Thickness (mm) - **7,0**
Lenght (mm) - **40,0** Thread - /



460-0

Height (mm) - **48,2** Thickness (mm) - **14,0**
Lenght (mm) - **96,0** Thread - **M6 74mm**



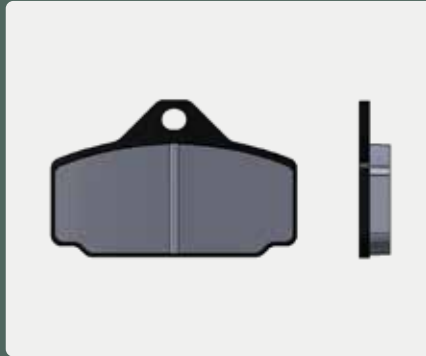
461-0

Height (mm) - **34,4** Thickness (mm) - **9,0**
Lenght (mm) - **59,5** Thread - /



462-0

Height (mm) - **45,5** Thickness (mm) - **9,0**
Lenght (mm) - **71,5** Thread - /



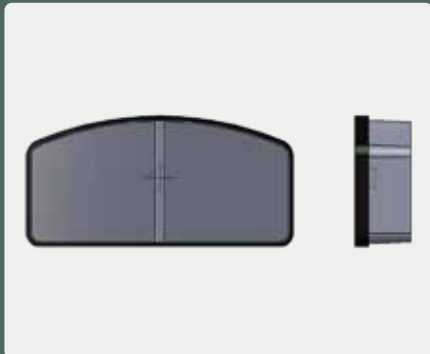
463-0

Height (mm) - **42,3** Thickness (mm) - **9,0**
Lenght (mm) - **71,5** Thread - /



464-0

Height (mm) - **38,7** Thickness (mm) - **16,5**
Lenght (mm) - **79,0** Thread - **M6**



465-0

Height (mm) - **46,6** Thickness (mm) - **10,0**
Lenght (mm) - **82,0** Thread - **M6* 64mm**

*Thread height: **24,0mm**



465-1

Height (mm) - **46,6** Thickness (mm) - **10,0**
Lenght (mm) - **82,0** Thread - **M6* 62mm**

*Thread height: **24,0mm**



465-2

Height (mm) - **46,6** Thickness (mm) - **10,0**
Lenght (mm) - **82,0** Thread - **M6 60mm**

*Thread height: **24,0mm**



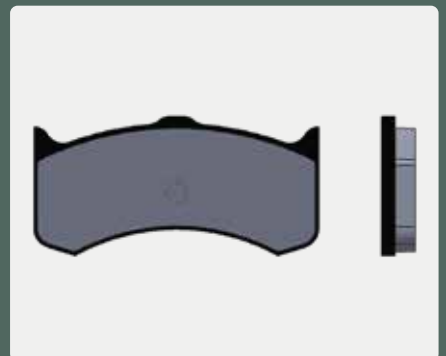
466-0

Height (mm) - **50,8** Thickness (mm) - **13,6**
Lenght (mm) - **55,6** Thread - /



467-0

Height (mm) - **40,6** Thickness (mm) - **10,0**
Lenght (mm) - **83,5** Thread - **M6**



468-0

Height (mm) - **41,3** Thickness (mm) - **7,0**
 Lenght (mm) - **37,9** Thread - /

**469-0**

Height (mm) - **49,5** Thickness (mm) - **10,0**
 Lenght (mm) - **75,0** Thread - **M6 60mm**

**470-0**

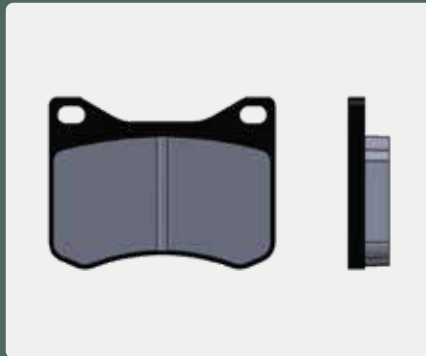
Height (mm) - **41,3** Thickness (mm) - **7,0**
 Lenght (mm) - **37,9** Thread - /

**471-0**

Height (mm) - **42,3** Thickness (mm) - **7,0**
 Lenght (mm) - **37,9** Thread - /

**474-0**

Height (mm) - **42,3** Thickness (mm) - **10,0**
 Lenght (mm) - **55,8** Thread - /

**475-0**

Height (mm) - **45,0** Thickness (mm) - **6,0**
 Lenght (mm) - **36,0** Thread - /

**476-0**

Height (mm) - **38,4** Thickness (mm) - **7,0**
 Lenght (mm) - **41,0** Thread - /

**476-1**

Height (mm) - **38,4** Thickness (mm) - **10,0**
 Lenght (mm) - **41,0** Thread - /

**477-0**

Height (mm) - **46,0** Thickness (mm) - **7,5**
 Lenght (mm) - **35,0** Thread - /



478-0

Height (mm) - **70,0** Thickness (mm) - **10,0**
Lenght (mm) - **58,5** Thread - /



479-0

Height (mm) - **43,6** Thickness (mm) - **10,5**
Lenght (mm) - **79,8** Thread - **M5**



479-1

Height (mm) - **43,6** Thickness (mm) - **12,0**
Lenght (mm) - **79,8** Thread - **M5**



479-2

Height (mm) - **43,6** Thickness (mm) - **13,0**
Lenght (mm) - **79,8** Thread - **M5**



479-3

Height (mm) - **43,6** Thickness (mm) - **10,2**
Lenght (mm) - **79,8** Thread - /



481-0

Height (mm) - **46,0** Thickness (mm) - **10,0**
Lenght (mm) - **39,0** Thread - /



482-0

Height (mm) - **49,0** Thickness (mm) - **10,0**
Lenght (mm) - **48,0** Thread - /



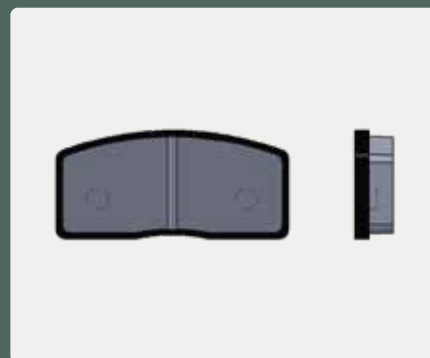
483-0

Height (mm) - **51,5** Thickness (mm) - **10,0**
Lenght (mm) - **85,0** Thread - **M6 74mm**



484-0

Height (mm) - **29,6** Thickness (mm) - **12,0**
Lenght (mm) - **63,7** Thread - **M6 41mm**



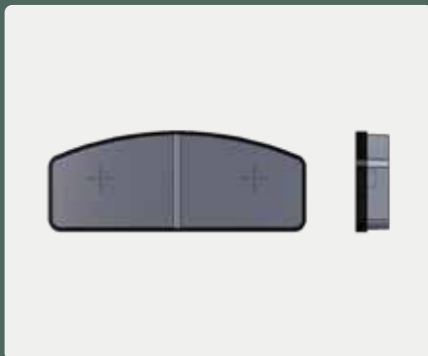
485-0

Height (mm) - **37,0** Thickness (mm) - **16,5**
Lenght (mm) - **70,0** Thread - **M6 56mm**



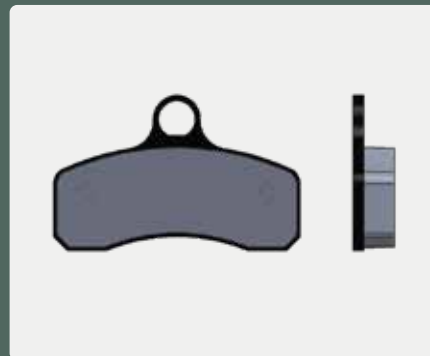
486-0

Height (mm) - **36,7** Thickness (mm) - **12,0**
Lenght (mm) - **94,6** Thread - **M6 56,5mm**



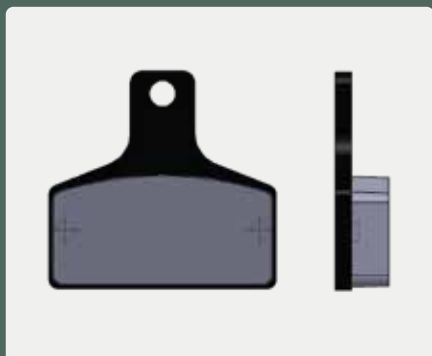
487-0

Height (mm) - **55,5** Thickness (mm) - **15,0**
Lenght (mm) - **88,4** Thread - **M6 65mm**



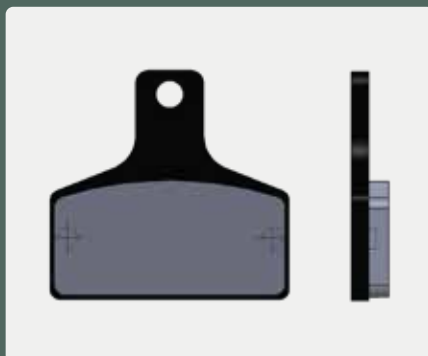
489-0

Height (mm) - **67,0** Thickness (mm) - **16,5**
Lenght (mm) - **70,0** Thread - **M6 60mm**



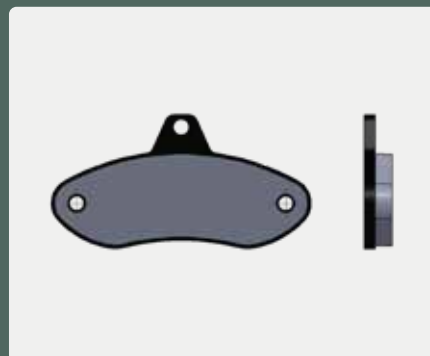
489-1

Height (mm) - **67,0** Thickness (mm) - **11,0**
Lenght (mm) - **70,0** Thread - **M6 60mm**



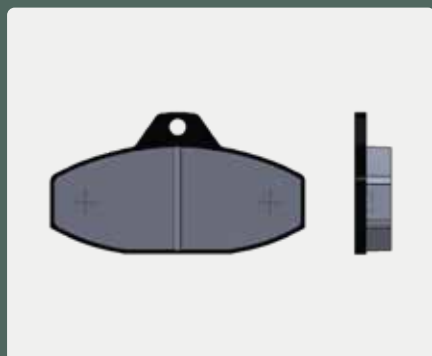
490-0

Height (mm) - **47,4** Thickness (mm) - **10,0**
Lenght (mm) - **92,1** Thread - **M6 74mm**



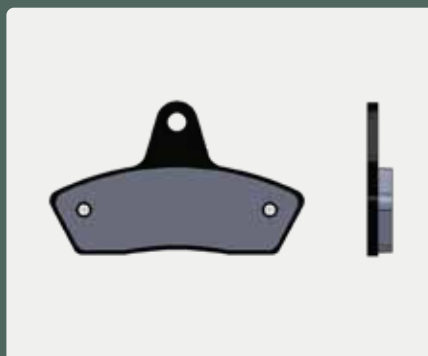
491-0

Height (mm) - **49,0** Thickness (mm) - **12,8**
Lenght (mm) - **89,6** Thread - **M6 65mm**



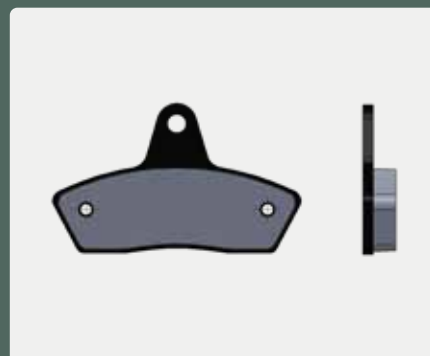
492-0

Height (mm) - **44,5** Thickness (mm) - **7,2**
Lenght (mm) - **73,8** Thread - **M4 54mm**



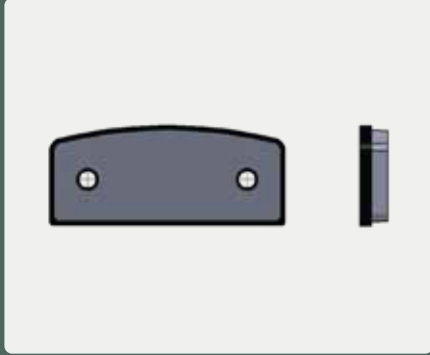
492-1

Height (mm) - **44,5** Thickness (mm) - **9,8**
Lenght (mm) - **73,8** Thread - **M4 54mm**

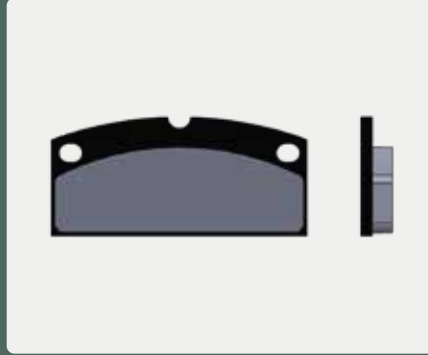


493-0

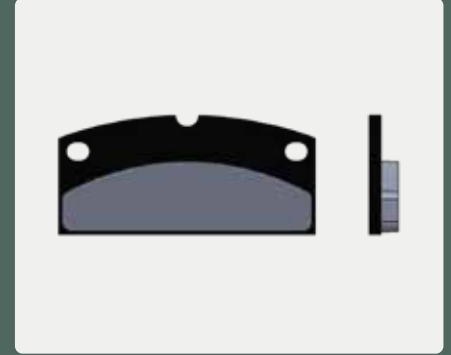
Height (mm) - **25,0** Thickness (mm) - **7,0**
 Lenght (mm) - **59,0** Thread - **M5 40mm**

**494-0**

Height (mm) - **41,2** Thickness (mm) - **11,0**
 Lenght (mm) - **88,8** Thread - /

**494-1**

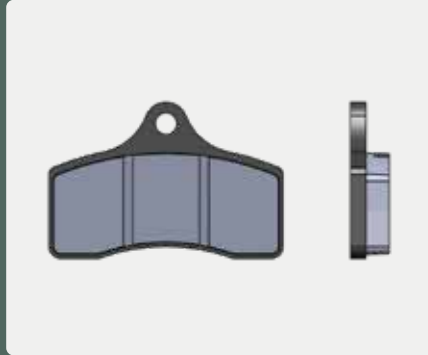
Height (mm) - **41,2** Thickness (mm) - **10,0**
 Lenght (mm) - **88,8** Thread - /

**496-0**

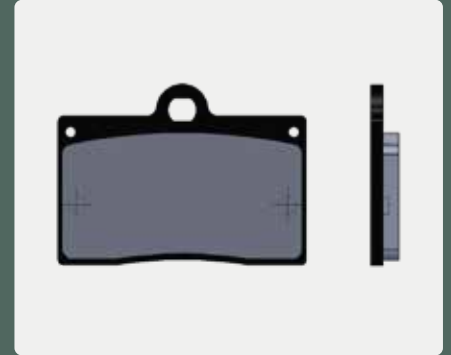
Height (mm) - **39,5** Thickness (mm) - **11,0**
 Lenght (mm) - **46,9** Thread - /

**497-0**

Height (mm) - **40,0** Thickness (mm) - **10,0**
 Lenght (mm) - **60,0** Thread - /

**498-0**

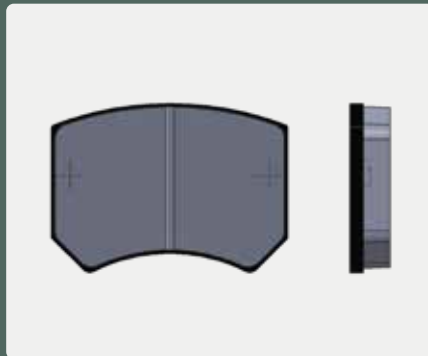
Height (mm) - **51,0** Thickness (mm) - **8,0**
 Lenght (mm) - **70,0** Thread - /

**499-0**

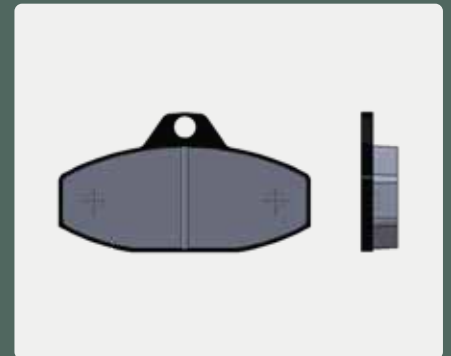
Height (mm) - **36,6** Thickness (mm) - **13,0**
 Lenght (mm) - **80,0** Thread - /

**500-0**

Height (mm) - **50,0** Thickness (mm) - **12,0**
 Lenght (mm) - **70,0** Thread - **M5 59mm**

**501-0**

Height (mm) - **49,0** Thickness (mm) - **12,8**
 Lenght (mm) - **89,6** Thread - **M6 65mm**



502-0

Height (mm) - **46,2** Thickness (mm) - **13,0**
Lenght (mm) - **80,0** Thread - **M6**



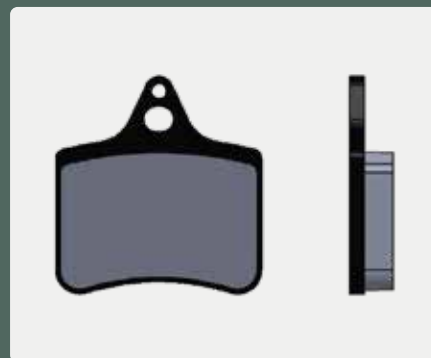
503-0

Height (mm) - **37,8** Thickness (mm) - **12,0**
Lenght (mm) - **60,0** Thread - **/**



504-0

Height (mm) - **45,0** Thickness (mm) - **9,0**
Lenght (mm) - **42,8** Thread - **/**



505-0

Height (mm) - **50,4** Thickness (mm) - **9,5**
Lenght (mm) - **59,4** Thread - **/**



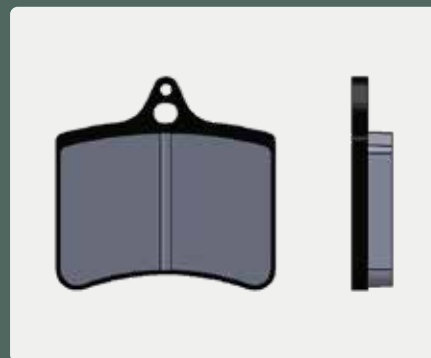
506-0

Height (mm) - **46,5** Thickness (mm) - **7,0**
Lenght (mm) - **39,9** Thread - **/**



507-0

Height (mm) - **52,3** Thickness (mm) - **10,0**
Lenght (mm) - **53,8** Thread - **/**



509-0

Height (mm) - **56,5** Thickness (mm) - **7,0**
Lenght (mm) - **40,0** Thread - **/**



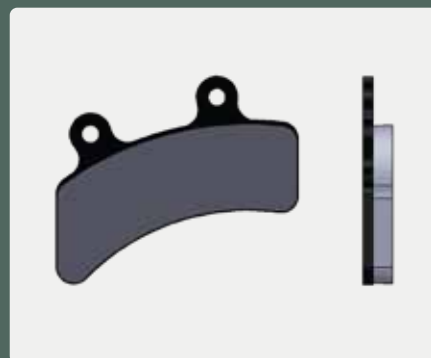
510-0

Height (mm) - **49,3** Thickness (mm) - **15,0**
Lenght (mm) - **100,0** Thread - **M6 74mm**



511-0

Height (mm) - **59,5** Thickness (mm) - **8,5**
Lenght (mm) - **69,8** Thread - **/**



511-1

Height (mm) - **59,5** Thickness (mm) - **8,5**
 Lenght (mm) - **69,8** Thread - /

**512-0**

Height (mm) - **31,3** Thickness (mm) - **8**
 Lenght (mm) - **52,9** Thread - /

**513-0**

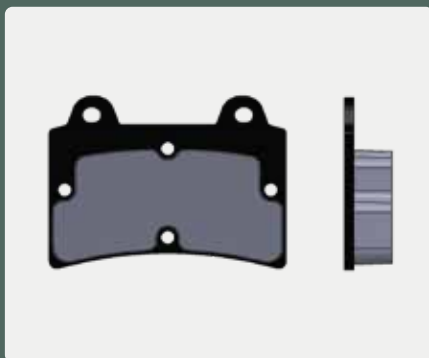
Height (mm) - **48,9** Thickness (mm) - **14,0**
 Lenght (mm) - **69,8** Thread - **M5 58,8mm**

**515-0**

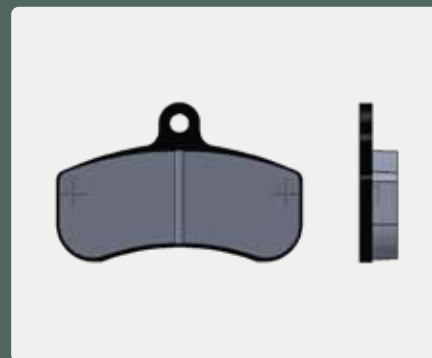
Height (mm) - **54,4** Thickness (mm) - **11,0**
 Lenght (mm) - **74,8** Thread - **M5 28/65mm**

**515-1**

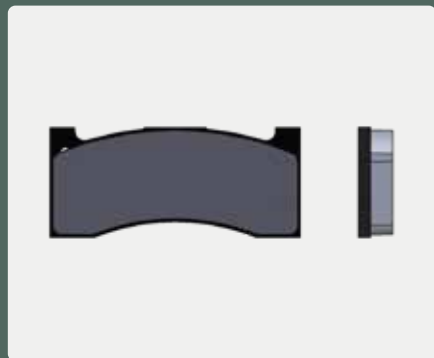
Height (mm) - **54,4** Thickness (mm) - **15,0**
 Lenght (mm) - **74,8** Thread - **M5 28/65mm**

**516-0**

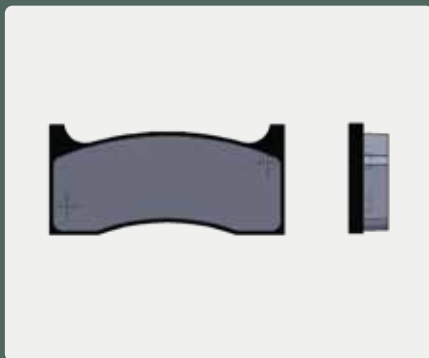
Height (mm) - **50,6** Thickness (mm) - **12,0**
 Lenght (mm) - **78,5** Thread - **M5 68mm**

**517-0**

Height (mm) - **35,0** Thickness (mm) - **11,0**
 Lenght (mm) - **70,0** Thread - **M4 70mm**

**518-0**

Height (mm) - **30,5** Thickness (mm) - **11,0**
 Lenght (mm) - **65,6** Thread - /

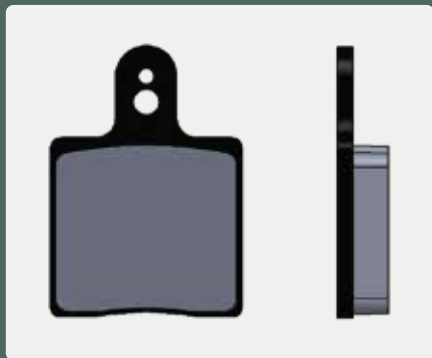
**519-0**

Height (mm) - **49,8** Thickness (mm) - **8,5**
 Lenght (mm) - **37,9** Thread - /



522-0

Height (mm) - **53,0** Thickness (mm) - **10,0**
Lenght (mm) - **37,5** Thread - /



523-0

Height (mm) - **49,7** Thickness (mm) - **10,0**
Lenght (mm) - **37,1** Thread - /



524-0

Height (mm) - **50,3** Thickness (mm) - **10,5**
Lenght (mm) - **61,6** Thread - **M4 44mm**



524-1

Height (mm) - **50,3** Thickness (mm) - **13,0**
Lenght (mm) - **61,6** Thread - /



524-2

Height (mm) - **50,3** Thickness (mm) - **13,0**
Lenght (mm) - **61,6** Thread - **M6* 50mm**



524-3

Height (mm) - **49,7** Thickness (mm) - **13,0**
Lenght (mm) - **61,6** Thread - /



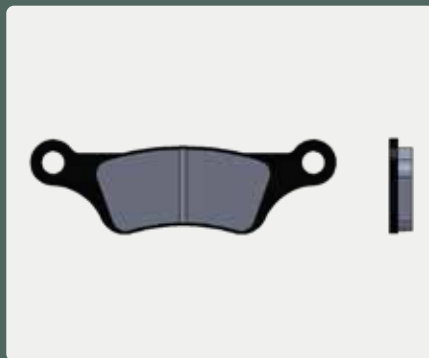
524-4

Height (mm) - **50,3** Thickness (mm) - **13,0**
Lenght (mm) - **61,6** Thread - /



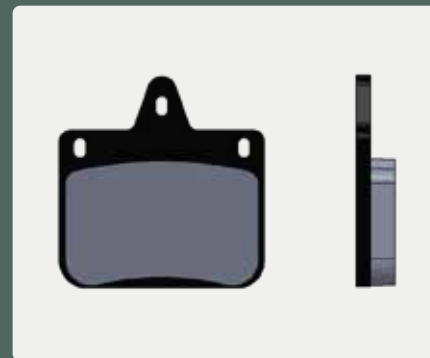
525-0

Height (mm) - **33,2** Thickness (mm) - **8,0**
Lenght (mm) - **108,0** Thread - /



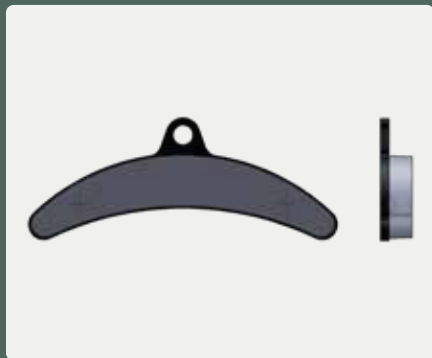
526-0

Height (mm) - **43,0** Thickness (mm) - **8,0**
Lenght (mm) - **41,8** Thread - /



528-0

Height (mm) - **53,2** Thickness (mm) - **14,0**
Lenght (mm) - **135,2** Thread - **M6 90mm**



528-1

Height (mm) - **53,2** Thickness (mm) - **15,0**
Lenght (mm) - **135,2** Thread - **M6 90mm**



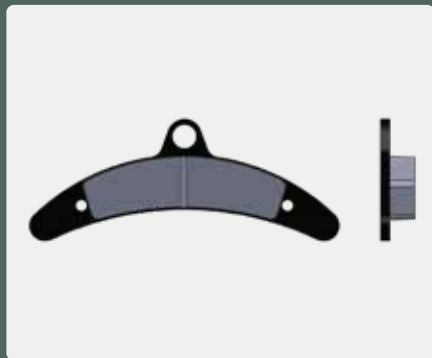
528-2

Height (mm) - **53,2** Thickness (mm) - **10,5**
Lenght (mm) - **135,2** Thread - **M6 110mm**



528-3

Height (mm) - **53,2** Thickness (mm) - **15,0**
Lenght (mm) - **135,2** Thread - **M6 90mm**



528-4

Height (mm) - **53,2** Thickness (mm) - **15,0**
Lenght (mm) - **135,2** Thread - **M6 90mm**



529-1

Height (mm) - **40,7** Thickness (mm) - **11,0**
Lenght (mm) - **100,0** Thread - **M5 80mm**



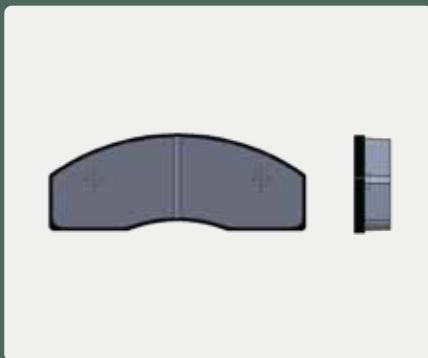
529-2

Height (mm) - **40,7** Thickness (mm) - **8,5**
Lenght (mm) - **100,0** Thread - **M5 80mm**



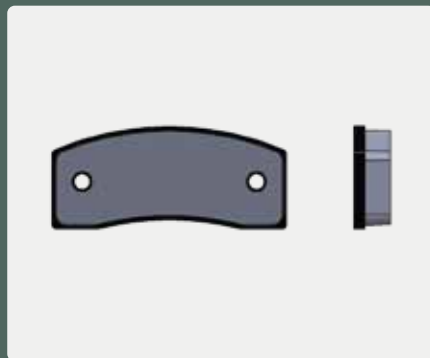
531-0

Height (mm) - **37,8** Thickness (mm) - **14,0**
Lenght (mm) - **100,0** Thread - **M6 65mm**



532-0

Height (mm) - **28,0** Thickness (mm) - **10,0**
Lenght (mm) - **64,0** Thread - **M5 47,5mm**



533-0

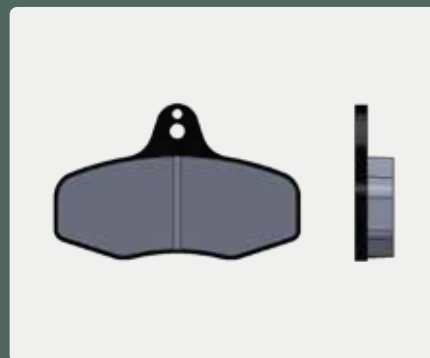
Height (mm) - **52,8** Thickness (mm) - **9,0**
 Lenght (mm) - **52,5** Thread - /

**534-0**

Height (mm) - **42,4** Thickness (mm) - **8,0**
 Lenght (mm) - **54,9** Thread - /

**536-0**

Height (mm) - **51,5** Thickness (mm) - **12,8**
 Lenght (mm) - **81,7** Thread - /

**537-0**

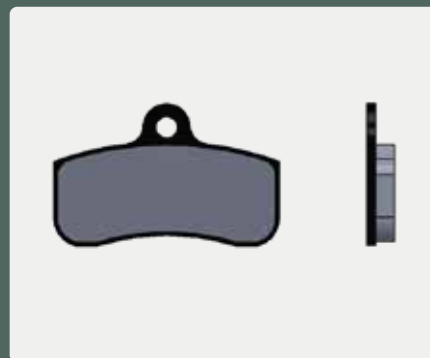
Height (mm) - **44,0** Thickness (mm) - **10,0**
 Lenght (mm) - **33,8** Thread - /

**540-0**

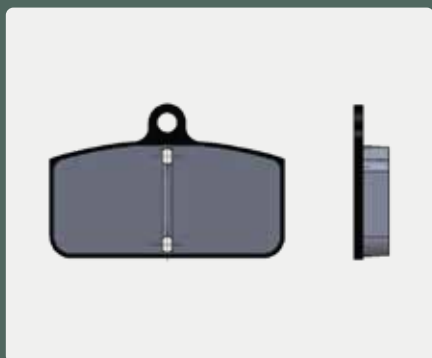
Height (mm) - **28,4** Thickness (mm) - **7,2**
 Lenght (mm) - **47,8** Thread - /

**542-0**

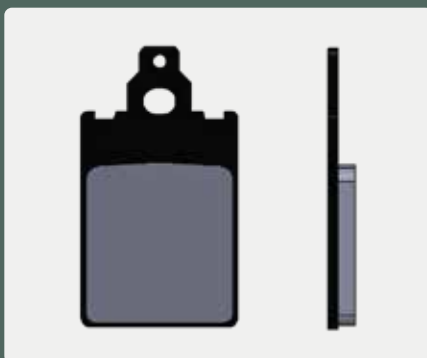
Height (mm) - **30,3** Thickness (mm) - **6,0**
 Lenght (mm) - **47,9** Thread - /

**543-0**

Height (mm) - **41,9** Thickness (mm) - **9,5**
 Lenght (mm) - **63,9** Thread - **M5 24mm**

**544-0**

Height (mm) - **57,0** Thickness (mm) - **5,5**
 Lenght (mm) - **31,8** Thread - /

**545-0**

Height (mm) - **47,0** Thickness (mm) - **11,0**
 Lenght (mm) - **46,0** Thread - /

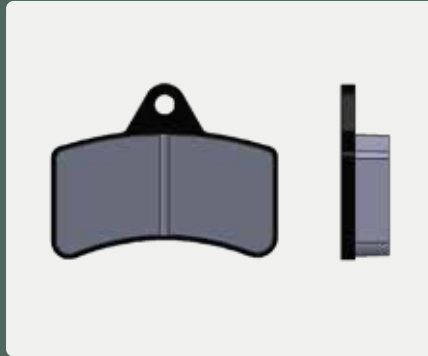


545-1

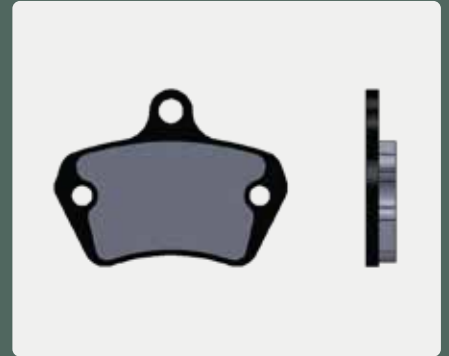
Height (mm) - **47,0** Thickness (mm) - **11,0**
 Lenght (mm) - **46,0** Thread - **M6**

**546-0**

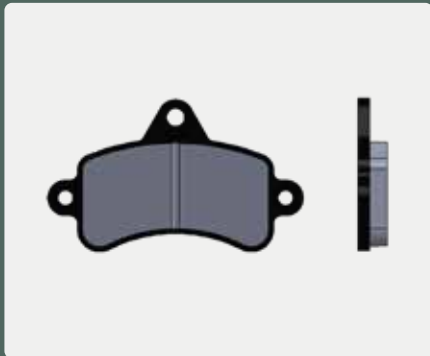
Height (mm) - **51,9** Thickness (mm) - **14,0**
 Lenght (mm) - **70,0** Thread - **/**

**550-0**

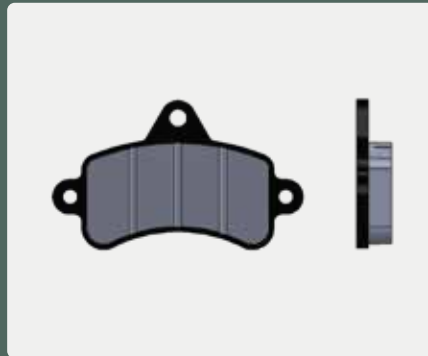
Height (mm) - **41,6** Thickness (mm) - **7,0**
 Lenght (mm) - **55,0** Thread - **M6 42mm**

**551-0**

Height (mm) - **51,1** Thickness (mm) - **10,0**
 Lenght (mm) - **86,0** Thread - **M6 74mm**

**551-1**

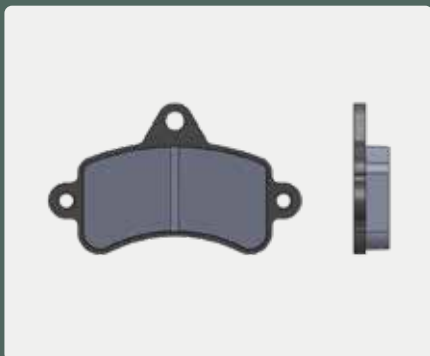
Height (mm) - **51,1** Thickness (mm) - **12,0**
 Lenght (mm) - **86,0** Thread - **M6 74mm**

**551-2**

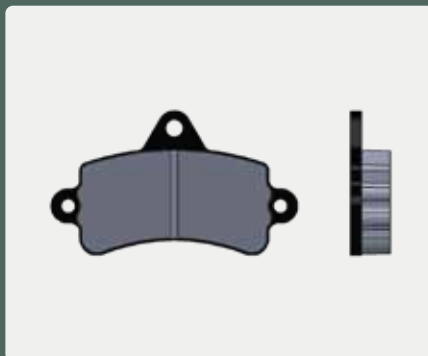
Height (mm) - **51,1** Thickness (mm) - **10,0**
 Lenght (mm) - **86,0** Thread - **M6 74mm**

**551-3**

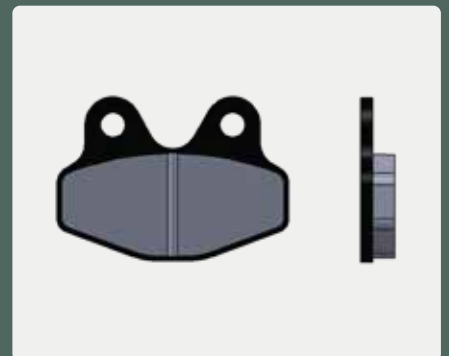
Height (mm) - **51,1** Thickness (mm) - **12,0**
 Lenght (mm) - **86,0** Thread - **M6 74mm**

**552-0**

Height (mm) - **50,1** Thickness (mm) - **14,0**
 Lenght (mm) - **86,0** Thread - **M6 74mm**

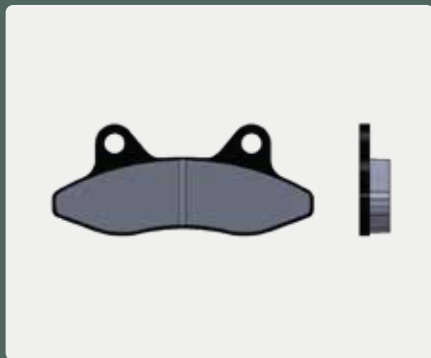
**553-0**

Height (mm) - **41,1** Thickness (mm) - **8,5**
 Lenght (mm) - **58,0** Thread - **/**



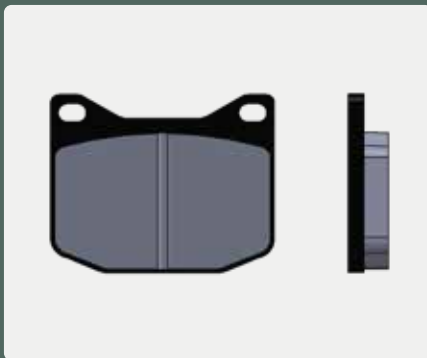
554-0

Height (mm) - **43,9** Thickness (mm) - **12,0**
Lenght (mm) - **103,0** Thread - /



557-0

Height (mm) - **44,5** Thickness (mm) - **10,0**
Lenght (mm) - **55,8** Thread - /



556-0

Height (mm) - **36,5** Thickness (mm) - **9,0**
Lenght (mm) - **44,8** Thread - /



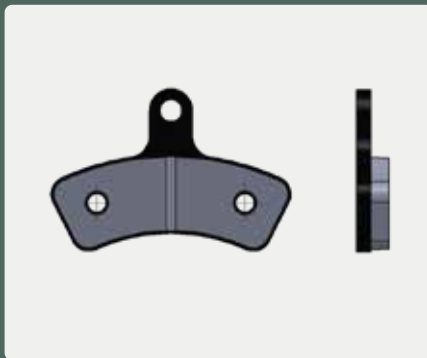
557-0

Height (mm) - **44,5** Thickness (mm) - **10,0**
Lenght (mm) - **55,8** Thread - /



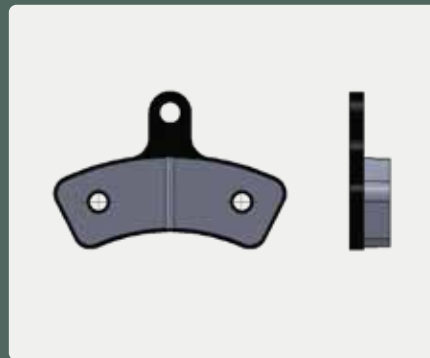
558-0

Height (mm) - **44,9** Thickness (mm) - **9,0**
Lenght (mm) - **66,5** Thread - **M6 41mm**



558-1

Height (mm) - **44,9** Thickness (mm) - **11,5**
Lenght (mm) - **66,5** Thread - **M6 41mm**



559-0

Height (mm) - **48,0** Thickness (mm) - **11,0**
Lenght (mm) - **70,0** Thread - **M6 60mm**



559-1

Height (mm) - **48,0** Thickness (mm) - **10,8**
Lenght (mm) - **70,0** Thread - **M6 60mm**



560-0

Height (mm) - **33,5** Thickness (mm) - **9,0**
Lenght (mm) - **44,8** Thread - /

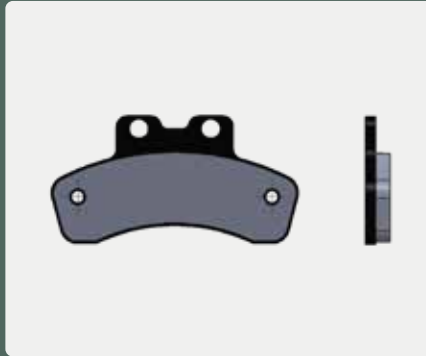


561-0

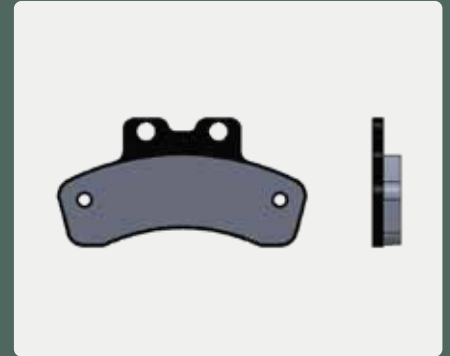
Height (mm) - **44,0** Thickness (mm) - **9,0**
 Lenght (mm) - **52,0** Thread - **M6 41mm**

**562-0**

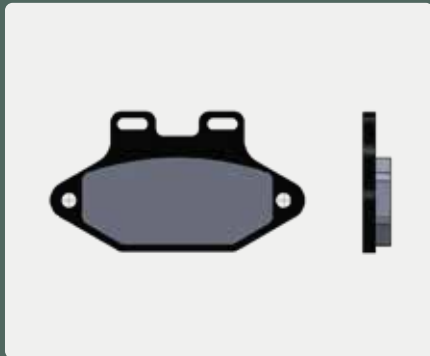
Height (mm) - **35,5** Thickness (mm) - **6,9**
 Lenght (mm) - **68,8** Thread - **M4 54mm**

**562-1**

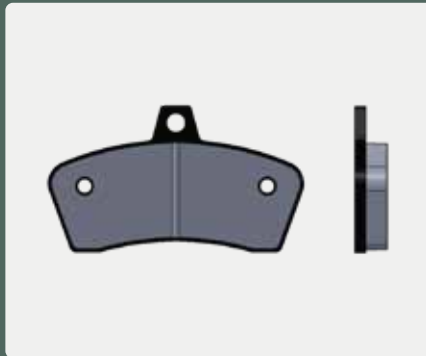
Height (mm) - **35,5** Thickness (mm) - **7,9**
 Lenght (mm) - **68,8** Thread - **M4 54mm**

**563-0**

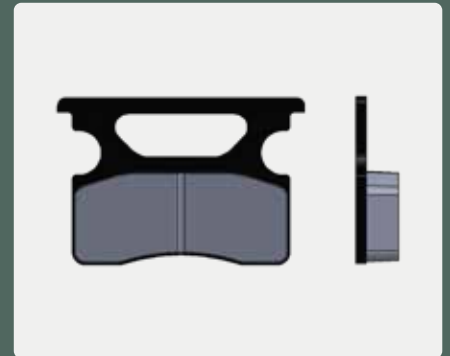
Height (mm) - **45,0** Thickness (mm) - **9,0**
 Lenght (mm) - **82,0** Thread - **M6 70mm**

**564-0**

Height (mm) - **52,0** Thickness (mm) - **11,5**
 Lenght (mm) - **91,0** Thread - **M6 65mm**

**565-0**

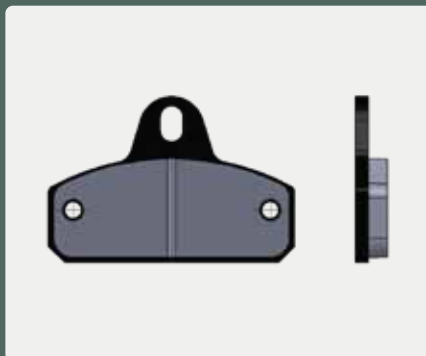
Height (mm) - **62,5** Thickness (mm) - **16,0**
 Lenght (mm) - **81,0** Thread - /

**566-0**

Height (mm) - **33,5** Thickness (mm) - **9,0**
 Lenght (mm) - **44,8** Thread - /

**567-0**

Height (mm) - **50,5** Thickness (mm) - **9,0**
 Lenght (mm) - **44,8** Thread - /

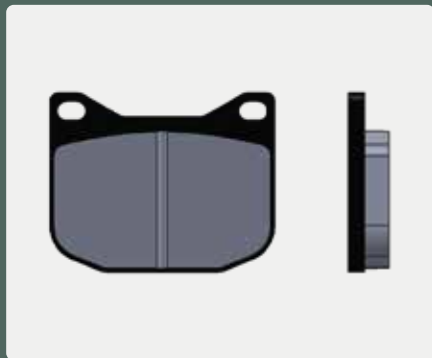
**568-0**

Height (mm) - **36,5** Thickness (mm) - **9,0**
 Lenght (mm) - **44,8** Thread - /



569-0

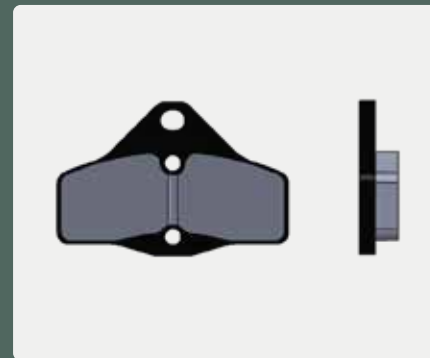
Height (mm) - **44,5** Thickness (mm) - **10,0**
Lenght (mm) - **55,8** Thread - /

**570-0**

Height (mm) - **45,4** Thickness (mm) - **11,0**
Lenght (mm) - **46,0** Thread - /

**571-0**

Height (mm) - **39,5** Thickness (mm) - **10,0**
Lenght (mm) - **59,5** Thread - **M5 19mm**

**572-0**

Height (mm) - **52,0** Thickness (mm) - **8,0**
Lenght (mm) - **40,0** Thread - /

**573-0**

Height (mm) - **38,5** Thickness (mm) - **8,0**
Lenght (mm) - **42,0** Thread - /

**574-0**

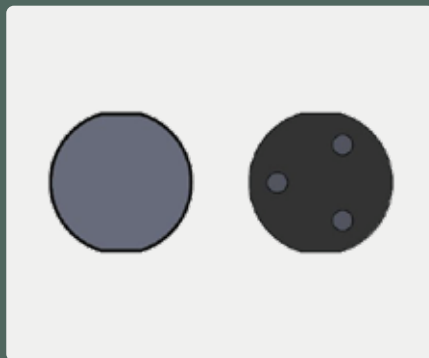
Height (mm) - **45,5** Thickness (mm) - **10,0**
Lenght (mm) - **56,0** Thread - /

**575-0**

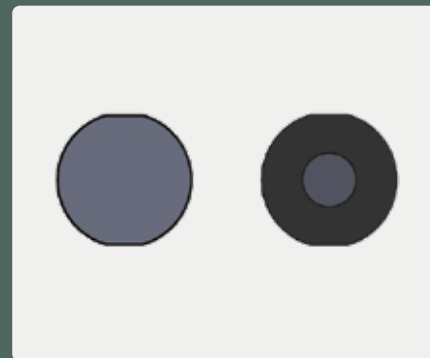
Height (mm) - **28,5** Thickness (mm) - **6,0**
Lenght (mm) - **44,0** Thread - /

**576-0**

Height (mm) - **28,0** Thickness (mm) - **6,3**
Lenght (mm) - **26,9** Thread - /

**577-0**

Height (mm) - **28,0** Thickness (mm) - **6,3**
Lenght (mm) - **26,9** Thread - /



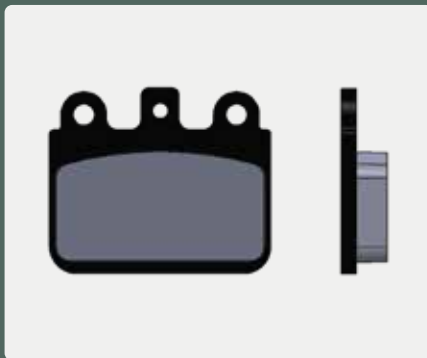
578-0

Height (mm) - **49,4** Thickness (mm) - **13,0**
Lenght (mm) - **65,0** Thread - /



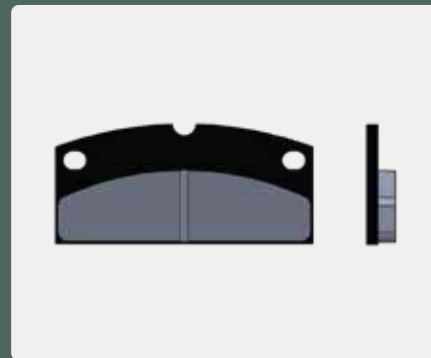
593-0

Height (mm) - **48,5** Thickness (mm) - **12,0**
Lenght (mm) - **58,0** Thread - /



594-0

Height (mm) - **41,3** Thickness (mm) - **10,0**
Lenght (mm) - **88,8** Thread - /



606-0

Height (mm) - **54,0** Thickness (mm) - **7,4**
Lenght (mm) - **39,8** Thread - /



606-1

Height (mm) - **54,0** Thickness (mm) - **6,4**
Lenght (mm) - **39,8** Thread - /



607-0

Height (mm) - **49,5** Thickness (mm) - **7,0**
Lenght (mm) - **39,6** Thread - /



630-0

Height (mm) - **54,0** Thickness (mm) - **7,6**
Lenght (mm) - **50,9** Thread - /



KARTING DISCS

1D1-160-026-4

RIMO / MAGURA Rear Diameter (mm) - 160
Material - **GJS 600** Thickness (mm) - 4,5



1D1-150-001-5 (right)

Mach 1 Front Diameter (mm) - 150
Material - **GJL 250** Thickness (mm) - 10



1D1-150-002-5 (left)

Mach 1 Front Diameter (mm) - 150
Material - **GJL 250** Thickness (mm) - 10



1D1-190-024-5

MACH 1 Rear Diameter (mm) - 150
Material - **GJL 250** Thickness (mm) - 12



1D1-198-023-5

MACH 1 Rear Diameter (mm) - 198
Material - **GJL 250** Thickness (mm) - 14



1D1-150-080-5

CRG Front Diameter (mm) - 150
Material - **GJL 250** Thickness (mm) - 12



1D1-154-080-5

CRG Front Diameter (mm) - 154
Material - **GJL 250** Thickness (mm) - 12,6



1D1-195-020-5

CRG Rear Diameter (mm) - 195
Material - **GJL 250** Thickness (mm) - 18,5



1D1-187-027-5

IPK Rear Diameter (mm) - 187
Material - **GJL 250** Thickness (mm) - 14



KARTING CLUTCHES

121-013-003

IAME (KZ) N° friction plates (aramid) - **6**
KIT 1 N° drive plates (MMC) - **0**



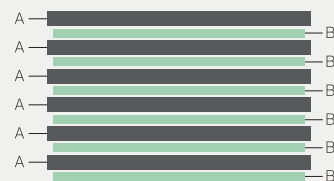
121-013-004

IAME (KZ) N° friction plates (aramid) - **6**
KIT 2 N° drive plates (MMC) - **6**



ASSEMBLY

Lamellar Clutch IAME KZ



A - Aramid Friction Plates - 3 mm thickness
B - MMC Drive Plates - 1,5 mm thickness

121-013-005

TM (KZ 10) N° friction plates (aramid) - **5**
KIT 1 N° drive plates (MMC) - **0**



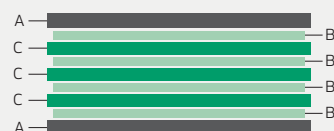
121-013-006

TM (KZ 10) N° friction plates (aramid) - **5**
KIT 2 N° drive plates (MMC) - **4**



ASSEMBLY

Lamellar Clutch TM (KZ10)



A - Aramid Friction Plates - 3 mm thickness
B - MMC Drive Plates - 1,5 mm thickness
C - Aramid Friction Plates - 2,5 mm thickness

121-013-005

TM (KZ 10) N° friction plates (aramid) - **5**
KIT 1 N° drive plates (MMC) - **0**



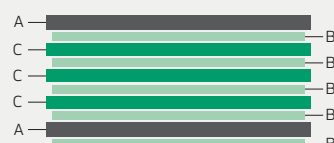
121-013-007

TM (KZ 10C) N° friction plates (aramid) - **5**
KIT 2 N° drive plates (MMC) - **5**



ASSEMBLY

Lamellar Clutch TM (KZ10 C)



A - Aramid Friction Plates - 3 mm thickness
B - MMC Drive Plates - 1,5 mm thickness
C - Aramid Friction Plates - 2,5 mm thickness

121-013-008

TM (R1)

N° friction plates (aramid) - 5

KIT 1

N° drive plates (MMC) - 0



121-013-009

TM (R1)

N° friction plates (aramid) - 5

KIT 2

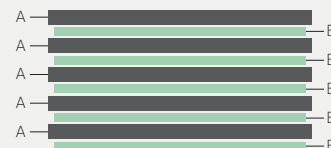
N° drive plates (MMC) - 5



ASSEMBLY

Lamellar Clutch

TM (R1)



A - Aramid Friction Plates - 3 mm thickness
B - MMC Drive Plates - 1.5 mm thickness

* MMC drive plates are not included in KIT 1.

CUSTOM MADE COMBINATION – Single Piece

151-013-005

TM (KZ10/R1)

Overall thickness (mm) - 3

Material - **Aramid**

Inner Diameter (mm) - 100,3



151-013-025

TM (KZ10)

Overall thickness (mm) - 2,5

Material - **Aramid**

Inner Diameter (mm) - 100,3



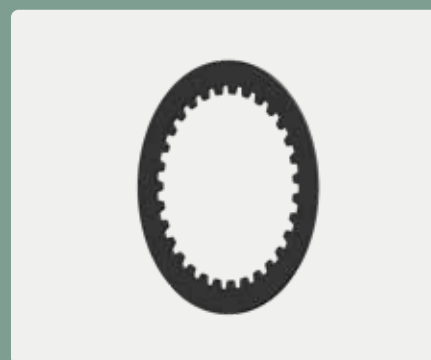
151-012-006

TM (KZ10/R1)

Overall thickness (mm) - 1,5

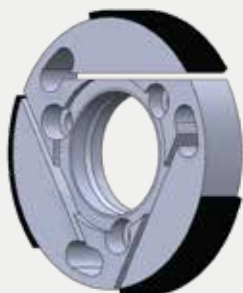
Material - **MMC**

Inner Diameter (mm) - 89,5

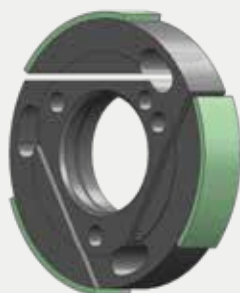


12C-084-15-23

KF Inner Diameter (mm) - **83,5**
 Material - **Organic** Overall Thickness (mm) - **15**

**12C-084-15-24**

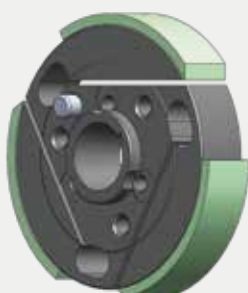
KF Inner Diameter (mm) - **83,5**
 Material - **Carbon** Overall Thickness (mm) - **15**

**12C-084-17-11**

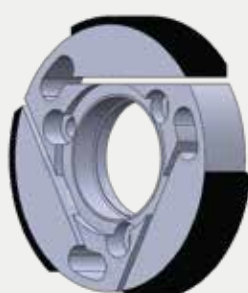
IAME LEOPARD Inner Diameter (mm) - **84,0**
 Material - **Organic** Overall Thickness (mm) - **17**

**12C-084-17-12**

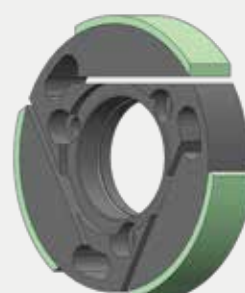
IAME LEOPARD Inner Diameter (mm) - **84,0**
 Material - **Carbon** Overall Thickness (mm) - **17**

**12C-084-17-01**

IAME X30 (After 2013) Inner Diameter (mm) - **84,3**
 Material - **Organic** Overall Thickness (mm) - **17**

**12C-084-17-02**

IAME X30 (After 2013) Inner Diameter (mm) - **84,3**
 Material - **Carbon** Overall Thickness (mm) - **17**

**12C-084-17-21**

IAME X30 (Before 2013) Inner Diameter (mm) - **84,0**
 Material - **Organic** Overall Thickness (mm) - **17**

**12C-084-17-22**

IAME X30 (Before 2013) Inner Diameter (mm) - **84,3**
 Material - **Carbon** Overall Thickness (mm) - **17**



RUNNING-IN PROCEDURE

In order to ensure optimal braking performance and the best racing experience each new set of brake pads has to undergo running-in procedure when assembled in the braking system.

During this important phase brake pad surface is being adjusted against the brake disc surface and a transfer layer on the brake disc surface is being developed. This significantly affects friction and wear performance of the brake couple.

Sinter recommends the following running-in procedure:

- 1 Make sure the brake disc and the brake pads have been properly installed.
- 2 Brake disc and brake pad surface should be clean and dry.
- 3 Start slowly and brake lightly pushing the pedal for a couple of seconds in order to slow down without making a complete stop. Repeat 20 times.
- 4 Allow brakes to cool down.
- 5 Proceed with gradual speed increase for 5-10 laps. During this phase brake moderately without any hard stops. Allow the brakes to cool after each lap.
- 6 Finish the running-in procedure with high speed and hard braking for 2-3 laps.
- 7 Allow the brakes to cool down.
- 8 Get ready to race! Your brakes already are.

TABLE BY MANUFACTURERS

AMV	424-0	552-0	405-2	577-0
	492-0	576-0	405-3	HAASE
519-0	528-0	COMEX	405-4	
522-0	528-1		406-0	
593-0	528-2	490-0	406-2	454-0
ARROW KART	529-1	494-0	406-3	456-0
	529-2	594-0	406-4	459-0
515-0	572-0	CRG	FA	492-0
ATE	BREMBO			450-0
		027-0	506-0	460-0
027-2	509-0	519-0	INTREPID	562-1
027-5	606-0	526-0		401-2
414-0	607-0	593-0	401-3	423-0
479-0	630-0	EKS	405-0	
479-1	BRM		405-2	476-1
479-2		405-0	405-3	
479-3	454-0	405-1	405-4	502-0
505-0	456-0	405-2	406-0	
506-0	459-0	405-3	406-2	
BABY KART	523-0	405-4	406-3	429-0
	536-0	406-0	406-4	
576-0	CHAROLETTE	406-2	410-0	476-0
577-0		406-3	490-0	476-1
BIREL	563-0	406-4	FK	491-0
	CMP	410-0		497-0
098-0	491-0	470-0	560-0	503-0
401-2		516-0	566-0	536-0
401-3	COMER-TOPKART	EL-ZET	568-0	KART COMPONENTS
405-0			569-0	
405-2	441-1	402-0	GILLARD	027-6
405-3	441-2	573-0		092-5
405-4	545-0	574-0	562-0	448-1
406-0	545-1	ENERGY CORSE	563-0	448-2
406-2	546-0		564-0	525-0
406-3	550-0	401-2	GRIMECA	KELGATE
406-4	551-1	401-3		
410-0	551-3	405-0	576-0	027-0

027-1	MADDOX	494-1	405-4	489-0
027-2		PAROLIN	410-0	558-0
027-5			417-0	558-1
296-5	563-0	340-0	417-1	559-0
414-0	MAGURA	359-0	418-0	559-1
479-0		434-0	419-0	561-0
479-1		434-1	483-0	566-0
479-2	MARANELLO	490-0	593-0	558-0
479-3		491-0	RIMO	559-0
505-0		475-0		492-0
506-0	519-0	510-0	447-0	
K-KART	593-0	524-1	451-0	564-0
	MBA	533-0	525-0	VACCARI BOSSI
504-0		PCR	ROSSO CORSA	
507-0	433-0		517-0	
556-0	434-0	438-1	433-0	518-0
557-0	450-1	446-0	434-0	WILDKART
560-0	510-0	540-0	450-1	
566-0	MS KART	R3 RACING	502-0	405-0
568-0			510-0	413-0
569-0			433-0	027-0
578-0	434-0	027-2	490-0	
LENZO KART	448-0	027-5	490-0	533-0
	449-0	414-0	GOLDSPEED	ZANARDI
	436-0	479-0		
442-0	467-0	479-1	478-0	537-0
481-0	510-0	479-2	SODI KART	
482-0	556-0	479-3		
567-0	557-0	505-0		296-5
570-0	ORANGE	506-0	407-0	
MACH1		RIGHETTI RIDOLFI	512-0	
	476-0		524-1	
416-0	476-1	401-2	542-0	
431-0	502-0	401-3	543-0	
439-0	OTL	403-0	565-0	
466-0		405-0	SWISS HUTLESS	
490-0		405-2		
	494-0	405-3	435-0	



Xen de Ruwe

(SSC Racing Team)

"Karting has been a part of my life for almost 20 years. Traveling and competing in different continents all over the world thought me several life lessons and shaped me to the person I am today.

For racers, braking is as important as acceleration. That is where we need top materials to slow down aggressively or to control the kart through the corners.

With Sinter braking solutions I was able to get that edge and surpass the competition.

I chose Sinter for victory!"

*/ 2019 Slovenian National champion
& kart driver of the year*

/ 2019 Sportstil Cup Champion

/ 2019 Austrian Vice Champion

*/ 2019 3rd at the Rotax Grand Finals -
World Championship*





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